



Building Dashboard

Newton Street Elementary 70 Shelburne Road

| Structural Details | | HVAC | | Condition | Appliances/equipment | |
|-------------------------|--|--------------------------|--|-----------------------------------|--------------------------|---------------------------|
| Year Built | 1915; additions and renovations in 1989 | Heating System | 2 Gas-fired Hot water Boilers Attic AHUs for gym, café, and admin. | EXCELLENT (upgraded 2014) GOOD | Interior Lighting | all upgraded to LEDs 2018 |
| Square footage | 32,732 | Air Conditioning | single window unit gas-fired PTAC unit in modulars. | GOOD | Exterior Lighting | upgraded to LED 2018 |
| Envelope | Masonry/Brick | Hot Water Heater | Gas-fired Hot water- 80 gallons | GOOD (Replaced 2008) | | |
| Roof | Pitched with asphalt shingles over wood sheathing | Ventilation | 4 Exhaust Fans in attic | GOOD | | |
| Windows | Original building has single pane with interior storms, 7 skylights some blocked by drop ceiling -addition has double pane windows | Heat Distribution | two-pipe system and glycol system in attic. Unit ventilators in each classroom | GOOD | | |
| Insulation | Attic Insulation includes 14 inches blown-in cellulose (R-49) | EMS | pneumatic system and time clock controls setbacks and scheduling | | | |
| Building Summary | Large addition built in 1989. Modulars added before 2009, replaced in 2015. New Roof and Insulation and air sealing done in 2016. | | | | | |

| Energy Profile - FY2021 | | |
|------------------------------------|--------------------------|---------------------------------|
| Energy Usage | | |
| Electric (kWh) | Heat (therms) | EUI (kBtu/sqft) |
| 138,499 | 10,891 | 50 |
| EUI ≤ 35 Meets Zero Energy Goal | EUI = 35-50 Efficient | EUI > 50 Priority to Improve |
| Annual Energy Cost | | |
| Electric | Heat | Total |
| \$26,142 | \$9,067 | \$35,209 |
| Berkshire Gas Rate Class | | G-41 and G 42 |
| Electric Service Rate Class | | G0 |
| Average Monthly Demand (kW) | | 33.6 |

Usage Trends ■ Monthly Use ■ Annual Use (12 Month Rolling Sum)

An asterisk over a bar indicates building interventions completed in that month. Click on the bar to display more information about the interventions.

| Completed Work | | | | | |
|----------------|--|--------------|----------------|-----------------|----------|
| Fiscal Year | Project | Project Cost | Grants/Rebates | Life Expectancy | Warranty |
| 2015 | Modulars replaced | N/A | N/A | N/A | N/A |
| 2016 | Insulation and air-sealing | \$20,716 | \$10,358 | N/A | N/A |
| 2016 | Asphalt shingle roof replaced | N/A | N/A | N/A | N/A |
| 2016 | Gymnasium lights upgraded to LED | N/A | N/A | N/A | N/A |
| 2019 | LED lighting upgrade- on bill financed | \$27,428 | \$11,856 | 20+ years | 5 years |

| Audits/Assessments | | |
|--------------------|-----------------------------------|-------------------------------|
| Fiscal Year | Type | Findings |
| 2009 | Siemens Whole building assessment | Report available upon request |
| 2016 | Internal Solar Assessment | Inadequate available space |